

I have been very unlucky in my astronomical observations. In Durango & Guarisamey I did not think it of so much importance, as I have to return to them in a better season, but now I am visiting places, that I may not have to return to, I am very anxious to determine their situations, more especially, as I find that to the north of Sombherete, Humboldt's map is of no use whatever, and will mislead greatly those who depend upon it. According to the observations I have had, Durango is in $24^{\circ} 00' - 55''$ North and Longitude $104^{\circ} 47' 51''$ West of Greenwich. Guarisamey is in Latitude $24^{\circ} 5' 45''$ North & longitude $106^{\circ} 5' 15''$ West of Greenwich. I do not consider these observations as very correct, on account of the difficulty I had in making them from the unsettled state of the weather, but they are not very far from the truth. Gabilanes is N. East of Guarisamey, Centanas East, Tayolita and Guadalupe S. West and San Dimas nearly West. By this you will see how incorrect Humboldt's map is. To the north of Durango it is still more so at the end of my second day's journey from Durango I encamped on the plain of Guatimape, about half way between Texamer and San Miguel del Coneto. This was not more than 22 leagues from Durango, & from this to Canelas there are six long journeys, therefore Canelas cannot be where it is placed in the map. At the end of the third day still travelling North West I arrived at Santiago, and found that Papasquiario was only 4 leagues South of Santiago. From this it appears that the situation of Santiago and Papasquiario with regard to Durango is that of Lianoni and Canelas in the map, but as the real situation of Durango is nearly that of San Jose Tayolita in the map, all the other places will be to the Westward in proportion. I don't know why Santiago has not found a place in the map, it is a much more considerable town than Papasquiario. Here in Guanacavi, I have been up night after night at all hours, and I have had men watching to wake me when the sky cleared at all, but all without effect. I have not yet had a single observation and I have only one sight of the comet, on the night that I arrived. To-morrow I shall have the Sun & moon, it has hitherto been clear in the day time, I hope it will continue so.

